

Ackerman, Joyce

From: Jackie Rowley <JRowley@Geosyntec.com>
Sent: Monday, April 9, 2018 4:11 PM
To: Tobi L. Moore
Cc: Hunter Butler; Thomas J. Krasovec; Ackerman, Joyce; Dave Folkes; Jonathan H. Steeler; Patrick Medland
Subject: FW: TestAmerica EDD and report files from 180-76369-2 Stratus Redtail Ranch, LLC
Attachments: J76369-2 UDS Level 2 Report Final Report.pdf; 180-76369-2_Scribe_v3.10.csv; Roll-Off Bin Stratus.xlsx

Tobi/Hunter,

Please see the attached TCLP test results for the roll-off bins. Also attached is the current list with destinations of where the bins will need to go. Let's get these things off-site! Joyce has agreed to approve of this once she sees the approval from Front Range to accept the waste.

Cheers,
Jackie

From: Jackie Rowley
Sent: Monday, April 9, 2018 3:52 PM
To: Ackerman, Joyce <Ackerman.Joyce@epa.gov>
Cc: Dave Folkes <DFolkes@Geosyntec.com>; Jonathan H. Steeler <JSteeler@sennlaw.com>; Molly.Patterson@WestonSolutions.com
Subject: FW: TestAmerica EDD and report files from 180-76369-2 Stratus Redtail Ranch, LLC

Sample results for TCLP roll-offs.

From: Dunlap, David <david.dunlap@testamericainc.com>
Sent: Monday, April 9, 2018 2:25 PM
To: Christopher Pracheil <CPracheil@Geosyntec.com>; Dave Folkes <DFolkes@Geosyntec.com>; Emily Larson <el Larson@Geosyntec.com>; Jackie Rowley <JRowley@Geosyntec.com>; Suzanne Gabriele <SGabriele@Geosyntec.com>; Thomas J. Krasovec <TJKrasovec@Geosyntec.com>
Subject: TestAmerica EDD and report files from 180-76369-2 Stratus Redtail Ranch, LLC

TCLP rolloffs

these and level 4 data pack posted to total access

Chris, fyi

The following samples were diluted to bring the concentration of target analytes within the calibration range: NLF-SS-PHASE2B-CHRT27421-040218 (180-76369-15) and NLF-SS-PHASE2B-CHRT12472-040218 (180-76369-16). Elevated reporting limits (RLs) are provided. These samples were initially analyzed undiluted, but had surrogates above the control limits and 2-butanone over the calibration range (all other analytes were not detected). The undiluted analyses were reported to provide reporting limits below TCLP regulatory limits.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: [Project Feedback](#)

DAVID A DUNLAP
Project Manager

TestAmerica Pittsburgh
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 412.963.2432
www.testamericainc.com

Reference: [217828]
Attachments: 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-76369-2
Client Project/Site: Stratus Redtail Ranch, LLC

For:
Geosyntec Consultants, Inc.
5670 Greenwood Plaza Blvd
Suite 540
Greenwood Village, Colorado 80111

Attn: Thomas J Krasovec



Authorized for release by:
4/9/2018 4:18:04 PM

David Dunlap, Senior Project Manager
(412)963-2432
david.dunlap@testamericainc.com

LINKS

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results through

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The
Expert**

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Job ID: 180-76369-2

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-76369-2

Receipt

The samples were received on 4/3/2018 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

Four containers were received labeled as NLF-SS-PHASE2B-CONFSWALL-09-040218 (180-76369-10). No containers were received labeled as NLF-SS-PHASE2B-CHRT25541-040218 (180-76369-25), although after unpacking the samples, a ziplock bag that held samples did have this ID written on it, indicating the sample was submitted. Based on a collection time of 12:06 written on one of the container lids, visual comparison of the actual sample in each container, and discussion with the field sampler, these two jars were identified by the sampler as NLF-SS-PHASE2B-CONFSWALL-09-040218 (180-76369-10) and the remaining two jars identified as NLF-SS-PHASE2B-CHRT25541-040218 (180-76369-25).

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: NLF-SS-PHASE2B-CHRT27421-040218 (180-76369-15) and NLF-SS-PHASE2B-CHRT12472-040218 (180-76369-16). Elevated reporting limits (RLs) are provided. These samples were initially analyzed undiluted, but had surrogates above the control limits and 2-butanone over the calibration range (all other analytes were not detected). The undiluted analyses were reported to provide reporting limits below TCLP regulatory limits.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: NLF-SS-PHASE2B-RFR279962-040218 (180-76369-22). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The recovery of surrogate dibromofluoromethane was above the control limits in sample NLF-SS-PHASE2B-CHRT24778-040218 (180-76369-17). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method(s) 8260C: Samples NLF-SS-PHASE2B-CHRT25461-040218 (180-76369-18), NLF-SS-PHASE2B-DRT4900-040218 (180-76369-19), and NLF-SS-PHASE2B-RT4543-040218 (180-76369-23) had surrogate recoveries above the control limits. The samples were re-analyzed and again had high surrogate recoveries, indicating possible interference. Results of both analyses were reported.

Method(s) 8260C: The recovery of surrogate 4-bromofluorobenzene was above the control limits in the matrix spike of sample NLF-SS-PHASE2B-CHRT25541-040218 (180-76369-25).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 180-241251 was above criteria for the following analyte: cyclohexanone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 180-241251 was below criteria for the following analytes: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2-dibromo-3-chloropropane, acetone, and bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 180-241348 was above criteria for the following analyte: cyclohexanone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 180-241348 was below criteria for the following analytes: 1,1,2-trichloro-1,2,2-trifluoroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and 1,2-dibromo-3-chloropropane, bromomethane, chloroethane, and dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Job ID: 180-76369-2 (Continued)

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Laboratory: TestAmerica Pittsburgh (Continued)

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 180-241356 recovered above the control limits for the following analyte: tetrachloroethene. As this analyte was biased high in the LCS and was not detected in the associated samples above the reporting limit, the results were reported.

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 180-241259 and analytical batch 180-241251 recovered slightly below the control limits for the following analyte: 1,2,3-trichlorobenzene. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the compound had it been present. As 1,2,3-trichlorobenzene was not detected in the associated samples, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
 Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Laboratory: TestAmerica Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	A2LA		PA00164	07-31-18
Arkansas DEQ	State Program	6	88-0690	06-27-18
California	State Program	9	2891	03-31-18 *
Connecticut	State Program	1	PH-0688	09-30-18
Florida	NELAP	4	E871008	06-30-18
Illinois	NELAP	5	200005	06-30-18
Kansas	NELAP	7	E-10350	01-31-19
Louisiana	NELAP	6	04041	06-30-18
Nevada	State Program	9	PA00164	07-31-18
New Hampshire	NELAP	1	2030	04-04-18 *
New Jersey	NELAP	2	PA005	06-30-18
New York	NELAP	2	11182	03-31-19
North Carolina (WW/SW)	State Program	4	434	12-31-18
Oregon	NELAP Secondary AB	10	PA-2151	01-28-19
Pennsylvania	NELAP	3	02-00416	04-30-18 *
South Carolina	State Program	4	89014	04-30-18 *
Texas	NELAP	6	T104704528-15-2	03-31-19
US Fish & Wildlife	Federal		LE94312A-1	07-31-18
USDA	Federal		P330-16-00211	06-26-19
Utah	NELAP	8	PA001462015-4	05-31-18
Virginia	NELAP	3	460189	09-14-18
West Virginia DEP	State Program	3	142	01-31-19
Wisconsin	State Program	5	998027800	08-31-18

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* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	Solid	04/02/18 12:40	04/03/18 09:15
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	Solid	04/02/18 12:46	04/03/18 09:15
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	Solid	04/02/18 12:52	04/03/18 09:15
180-76369-16	NLF-SS-PHASE2B-CHRT12472-040218	Solid	04/02/18 12:54	04/03/18 09:15
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	Solid	04/02/18 12:57	04/03/18 09:15
180-76369-18	NLF-SS-PHASE2B-CHRT25461-040218	Solid	04/02/18 13:04	04/03/18 09:15
180-76369-19	NLF-SS-PHASE2B-DRT4900-040218	Solid	04/02/18 13:08	04/03/18 09:15
180-76369-20	NLF-SS-PHASE2B-RFR274961-040218	Solid	04/02/18 13:17	04/03/18 09:15
180-76369-21	NLF-SS-PHASE2B-RFR279945-040218	Solid	04/02/18 13:28	04/03/18 09:15
180-76369-22	NLF-SS-PHASE2B-RFR279962-040218	Solid	04/02/18 13:34	04/03/18 09:15
180-76369-23	NLF-SS-PHASE2B-RT4543-040218	Solid	04/02/18 13:40	04/03/18 09:15
180-76369-24	NLF-SS-PHASE2B-PT2452-040218	Solid	04/02/18 13:48	04/03/18 09:15
180-76369-25	NLF-SS-PHASE2B-CHRT25541-040218	Solid	04/02/18 13:54	04/03/18 09:15

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-PT5630-040218

Lab Sample ID: 180-76369-13

Date Collected: 04/02/18 12:40

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	241409	04/05/18 12:52	KA	TAL PIT
TCLP	Analysis	6010C		1			241615	04/06/18 14:45	RJR	TAL PIT
Instrument ID: C										
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	241396	04/05/18 10:58	RJR	TAL PIT
TCLP	Analysis	7470A		1			241473	04/06/18 07:53	RJR	TAL PIT
Instrument ID: K										
Total/NA	Analysis	2540G		1			241270	04/04/18 07:55	CLL	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: NLF-SS-PHASE2B-PT3017-040218

Lab Sample ID: 180-76369-14

Date Collected: 04/02/18 12:46

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	241409	04/05/18 12:52	KA	TAL PIT
TCLP	Analysis	6010C		1			241615	04/06/18 14:50	RJR	TAL PIT
Instrument ID: C										
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	241396	04/05/18 10:58	RJR	TAL PIT
TCLP	Analysis	7470A		1			241473	04/06/18 08:00	RJR	TAL PIT
Instrument ID: K										
Total/NA	Analysis	2540G		1			241270	04/04/18 07:55	CLL	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: NLF-SS-PHASE2B-CHRT27421-040218

Lab Sample ID: 180-76369-15

Date Collected: 04/02/18 12:52

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311	RA		25.16 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C	RA	1	0.125 mL	5 mL	241356	04/05/18 14:31	KLG	TAL PIT
Instrument ID: CHHP9										
TCLP	Leach	1311			25.16 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		10	0.125 mL	5 mL	241453	04/06/18 10:32	KLG	TAL PIT
Instrument ID: CHHP9										
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	241409	04/05/18 12:52	KA	TAL PIT
TCLP	Analysis	6010C		1			241615	04/06/18 14:55	RJR	TAL PIT
Instrument ID: C										
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	241396	04/05/18 10:58	RJR	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT27421-040218

Lab Sample ID: 180-76369-15

Date Collected: 04/02/18 12:52

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	7470A		1			241473	04/06/18 08:02	RJR	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			241258	04/04/18 06:23	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: NLF-SS-PHASE2B-CHRT12472-040218

Lab Sample ID: 180-76369-16

Date Collected: 04/02/18 12:54

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311	RA		25.39 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C	RA	1	0.125 mL	5 mL	241356	04/05/18 14:53	KLG	TAL PIT
	Instrument ID: CHHP9									
TCLP	Leach	1311			25.39 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		10	0.125 mL	5 mL	241453	04/06/18 10:10	KLG	TAL PIT
	Instrument ID: CHHP9									

Client Sample ID: NLF-SS-PHASE2B-CHRT24778-040218

Lab Sample ID: 180-76369-17

Date Collected: 04/02/18 12:57

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.29 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241356	04/05/18 15:15	KLG	TAL PIT
	Instrument ID: CHHP9									
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	241409	04/05/18 12:52	KA	TAL PIT
TCLP	Analysis	6010C		1			241615	04/06/18 15:01	RJR	TAL PIT
	Instrument ID: C									
TCLP	Leach	1311			10.0 g	200 mL	241293	04/04/18 10:22	EJM	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	241396	04/05/18 10:58	RJR	TAL PIT
TCLP	Analysis	7470A		1			241473	04/06/18 08:04	RJR	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			241258	04/04/18 06:23	CLL	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: NLF-SS-PHASE2B-CHRT25461-040218

Lab Sample ID: 180-76369-18

Date Collected: 04/02/18 13:04

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.34 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241356	04/05/18 15:37	KLG	TAL PIT
	Instrument ID: CHHP9									

TestAmerica Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT25461-040218

Lab Sample ID: 180-76369-18

Date Collected: 04/02/18 13:04

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311	RA		25.34 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C	RA	1	0.125 mL	5 mL	241453	04/06/18 09:48	KLG	TAL PIT
Instrument ID: CHHP9										

Client Sample ID: NLF-SS-PHASE2B-DRT4900-040218

Lab Sample ID: 180-76369-19

Date Collected: 04/02/18 13:08

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			24.89 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241356	04/05/18 15:59	KLG	TAL PIT
Instrument ID: CHHP9										
TCLP	Leach	1311	RA		24.89 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C	RA	1	0.125 mL	5 mL	241453	04/06/18 09:26	KLG	TAL PIT
Instrument ID: CHHP9										

Client Sample ID: NLF-SS-PHASE2B-RFR274961-040218

Lab Sample ID: 180-76369-20

Date Collected: 04/02/18 13:17

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.48 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241356	04/05/18 16:21	KLG	TAL PIT
Instrument ID: CHHP9										

Client Sample ID: NLF-SS-PHASE2B-RFR279945-040218

Lab Sample ID: 180-76369-21

Date Collected: 04/02/18 13:28

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			241270	04/04/18 07:55	CLL	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: NLF-SS-PHASE2B-RFR279945-040218

Lab Sample ID: 180-76369-21

Date Collected: 04/02/18 13:28

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 61.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.0365 g	5 mL	241259	04/04/18 06:04	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		1	0.1 mL	5 mL	241348	04/05/18 14:58	PJJ	TAL PIT
Instrument ID: CHHP4										

TestAmerica Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-RFR279962-040218

Lab Sample ID: 180-76369-22

Date Collected: 04/02/18 13:34

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			241270	04/04/18 07:55	CLL	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: NLF-SS-PHASE2B-RFR279962-040218

Lab Sample ID: 180-76369-22

Date Collected: 04/02/18 13:34

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.3064 g	5 mL	241259	04/04/18 06:04	PJJ	TAL PIT
Total/NA	Analysis	EPA 8260C		5	0.1 mL	5 mL	241348	04/05/18 15:25	PJJ	TAL PIT
Instrument ID: CHHP4										

Client Sample ID: NLF-SS-PHASE2B-RT4543-040218

Lab Sample ID: 180-76369-23

Date Collected: 04/02/18 13:40

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			24.9 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241356	04/05/18 16:43	KLG	TAL PIT
Instrument ID: CHHP9										
TCLP	Leach	1311	RA		24.9 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C	RA	1	0.125 mL	5 mL	241453	04/06/18 09:04	KLG	TAL PIT
Instrument ID: CHHP9										

Client Sample ID: NLF-SS-PHASE2B-PT2452-040218

Lab Sample ID: 180-76369-24

Date Collected: 04/02/18 13:48

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.42 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241356	04/05/18 17:05	KLG	TAL PIT
Instrument ID: CHHP9										

Client Sample ID: NLF-SS-PHASE2B-CHRT25541-040218

Lab Sample ID: 180-76369-25

Date Collected: 04/02/18 13:54

Matrix: Solid

Date Received: 04/03/18 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.11 g	500 mL	241307	04/04/18 13:30	DLL	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	241453	04/06/18 08:42	KLG	TAL PIT
Instrument ID: CHHP9										

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

TestAmerica Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Analyst References:

Lab: TAL PIT

Batch Type: Leach

DLL = Debbie Lowe

EJM = Ethan Malcomb

Batch Type: Prep

KA = Kayla Kalamasz

PJJ = Patrick Journet

RJR = Ron Rosenbaum

Batch Type: Analysis

CLL = Cheryl Loheyde

KLK = Kathy Gordon

PJJ = Patrick Journet

RJR = Ron Rosenbaum

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-PT5630-040218

Lab Sample ID: 180-76369-13

Date Collected: 04/02/18 12:40

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 6010C - Metals (ICP) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		04/05/18 12:52	04/06/18 14:45	1
Barium	0.32	J B	2.0	0.011	mg/L		04/05/18 12:52	04/06/18 14:45	1
Cadmium	0.0018	J	0.50	0.0016	mg/L		04/05/18 12:52	04/06/18 14:45	1
Chromium	0.038	J B	0.50	0.0078	mg/L		04/05/18 12:52	04/06/18 14:45	1
Lead	ND		0.50	0.029	mg/L		04/05/18 12:52	04/06/18 14:45	1
Selenium	ND		0.50	0.036	mg/L		04/05/18 12:52	04/06/18 14:45	1
Silver	ND		0.50	0.0085	mg/L		04/05/18 12:52	04/06/18 14:45	1

Method: 7470A - Mercury (CVAA) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000065	mg/L		04/05/18 10:58	04/06/18 07:53	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.5		0.1	0.1	%			04/04/18 07:55	1
Percent Solids	84.5		0.1	0.1	%			04/04/18 07:55	1

Client Sample ID: NLF-SS-PHASE2B-PT3017-040218

Lab Sample ID: 180-76369-14

Date Collected: 04/02/18 12:46

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 6010C - Metals (ICP) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		04/05/18 12:52	04/06/18 14:50	1
Barium	0.14	J B	2.0	0.011	mg/L		04/05/18 12:52	04/06/18 14:50	1
Cadmium	0.0051	J	0.50	0.0016	mg/L		04/05/18 12:52	04/06/18 14:50	1
Chromium	0.037	J B	0.50	0.0078	mg/L		04/05/18 12:52	04/06/18 14:50	1
Lead	ND		0.50	0.029	mg/L		04/05/18 12:52	04/06/18 14:50	1
Selenium	ND		0.50	0.036	mg/L		04/05/18 12:52	04/06/18 14:50	1
Silver	ND		0.50	0.0085	mg/L		04/05/18 12:52	04/06/18 14:50	1

Method: 7470A - Mercury (CVAA) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000065	mg/L		04/05/18 10:58	04/06/18 08:00	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.8		0.1	0.1	%			04/04/18 07:55	1
Percent Solids	80.2		0.1	0.1	%			04/04/18 07:55	1

Client Sample ID: NLF-SS-PHASE2B-CHRT27421-040218

Lab Sample ID: 180-76369-15

Date Collected: 04/02/18 12:52

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.79	mg/L			04/06/18 10:32	10
2-Butanone (MEK)	15		2.0	1.2	mg/L			04/06/18 10:32	10
Carbon tetrachloride	ND		2.0	1.3	mg/L			04/06/18 10:32	10
Chlorobenzene	ND		2.0	0.63	mg/L			04/06/18 10:32	10
Chloroform	ND		2.0	0.85	mg/L			04/06/18 10:32	10

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT27421-040218

Lab Sample ID: 180-76369-15

Date Collected: 04/02/18 12:52

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		2.0	0.58	mg/L			04/06/18 10:32	10
1,1-Dichloroethene	ND		2.0	1.1	mg/L			04/06/18 10:32	10
Tetrachloroethene	ND		2.0	0.80	mg/L			04/06/18 10:32	10
Trichloroethene	ND		2.0	0.60	mg/L			04/06/18 10:32	10
Vinyl chloride	ND		2.0	1.5	mg/L			04/06/18 10:32	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		65 - 116		04/06/18 10:32	10
Dibromofluoromethane (Surr)	106		72 - 120		04/06/18 10:32	10
1,2-Dichloroethane-d4 (Surr)	113		64 - 137		04/06/18 10:32	10
Toluene-d8 (Surr)	104		82 - 132		04/06/18 10:32	10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 14:31	1
2-Butanone (MEK)	22	E	0.20	0.12	mg/L			04/05/18 14:31	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 14:31	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 14:31	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 14:31	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 14:31	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 14:31	1
Tetrachloroethene	ND	*	0.20	0.080	mg/L			04/05/18 14:31	1
Trichloroethene	ND		0.20	0.060	mg/L			04/05/18 14:31	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	X	65 - 116		04/05/18 14:31	1
Dibromofluoromethane (Surr)	113		72 - 120		04/05/18 14:31	1
1,2-Dichloroethane-d4 (Surr)	117		64 - 137		04/05/18 14:31	1
Toluene-d8 (Surr)	119		82 - 132		04/05/18 14:31	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		04/05/18 12:52	04/06/18 14:55	1
Barium	0.21	J B	2.0	0.011	mg/L		04/05/18 12:52	04/06/18 14:55	1
Cadmium	0.0017	J	0.50	0.0016	mg/L		04/05/18 12:52	04/06/18 14:55	1
Chromium	0.029	J B	0.50	0.0078	mg/L		04/05/18 12:52	04/06/18 14:55	1
Lead	ND		0.50	0.029	mg/L		04/05/18 12:52	04/06/18 14:55	1
Selenium	ND		0.50	0.036	mg/L		04/05/18 12:52	04/06/18 14:55	1
Silver	ND		0.50	0.0085	mg/L		04/05/18 12:52	04/06/18 14:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000065	mg/L		04/05/18 10:58	04/06/18 08:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22.9		0.1	0.1	%			04/04/18 06:23	1
Percent Solids	77.1		0.1	0.1	%			04/04/18 06:23	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT12472-040218

Lab Sample ID: 180-76369-16

Date Collected: 04/02/18 12:54

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.79	mg/L			04/06/18 10:10	10
2-Butanone (MEK)	14		2.0	1.2	mg/L			04/06/18 10:10	10
Carbon tetrachloride	ND		2.0	1.3	mg/L			04/06/18 10:10	10
Chlorobenzene	ND		2.0	0.63	mg/L			04/06/18 10:10	10
Chloroform	ND		2.0	0.85	mg/L			04/06/18 10:10	10
1,2-Dichloroethane	ND		2.0	0.58	mg/L			04/06/18 10:10	10
1,1-Dichloroethene	ND		2.0	1.1	mg/L			04/06/18 10:10	10
Tetrachloroethene	ND		2.0	0.80	mg/L			04/06/18 10:10	10
Trichloroethene	ND		2.0	0.60	mg/L			04/06/18 10:10	10
Vinyl chloride	ND		2.0	1.5	mg/L			04/06/18 10:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		65 - 116		04/06/18 10:10	10
Dibromofluoromethane (Surr)	116		72 - 120		04/06/18 10:10	10
1,2-Dichloroethane-d4 (Surr)	123		64 - 137		04/06/18 10:10	10
Toluene-d8 (Surr)	103		82 - 132		04/06/18 10:10	10

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 14:53	1
2-Butanone (MEK)	20	E	0.20	0.12	mg/L			04/05/18 14:53	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 14:53	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 14:53	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 14:53	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 14:53	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 14:53	1
Tetrachloroethene	ND		0.20	0.080	mg/L			04/05/18 14:53	1
Trichloroethene	ND		0.20	0.060	mg/L			04/05/18 14:53	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	X	65 - 116		04/05/18 14:53	1
Dibromofluoromethane (Surr)	126	X	72 - 120		04/05/18 14:53	1
1,2-Dichloroethane-d4 (Surr)	127		64 - 137		04/05/18 14:53	1
Toluene-d8 (Surr)	123		82 - 132		04/05/18 14:53	1

Client Sample ID: NLF-SS-PHASE2B-CHRT24778-040218

Lab Sample ID: 180-76369-17

Date Collected: 04/02/18 12:57

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 15:15	1
2-Butanone (MEK)	ND		0.20	0.12	mg/L			04/05/18 15:15	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 15:15	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 15:15	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 15:15	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 15:15	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 15:15	1
Tetrachloroethene	ND	*	0.20	0.080	mg/L			04/05/18 15:15	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT24778-040218

Lab Sample ID: 180-76369-17

Date Collected: 04/02/18 12:57

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.20	0.060	mg/L			04/05/18 15:15	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		65 - 116		04/05/18 15:15	1
Dibromofluoromethane (Surr)	124	X	72 - 120		04/05/18 15:15	1
1,2-Dichloroethane-d4 (Surr)	122		64 - 137		04/05/18 15:15	1
Toluene-d8 (Surr)	93		82 - 132		04/05/18 15:15	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		04/05/18 12:52	04/06/18 15:01	1
Barium	0.18	J B	2.0	0.011	mg/L		04/05/18 12:52	04/06/18 15:01	1
Cadmium	0.0032	J	0.50	0.0016	mg/L		04/05/18 12:52	04/06/18 15:01	1
Chromium	0.014	J B	0.50	0.0078	mg/L		04/05/18 12:52	04/06/18 15:01	1
Lead	ND		0.50	0.029	mg/L		04/05/18 12:52	04/06/18 15:01	1
Selenium	ND		0.50	0.036	mg/L		04/05/18 12:52	04/06/18 15:01	1
Silver	ND		0.50	0.0085	mg/L		04/05/18 12:52	04/06/18 15:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000065	mg/L		04/05/18 10:58	04/06/18 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21.0		0.1	0.1	%			04/04/18 06:23	1
Percent Solids	79.0		0.1	0.1	%			04/04/18 06:23	1

Client Sample ID: NLF-SS-PHASE2B-CHRT25461-040218

Lab Sample ID: 180-76369-18

Date Collected: 04/02/18 13:04

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 15:37	1
2-Butanone (MEK)	3.7		0.20	0.12	mg/L			04/05/18 15:37	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 15:37	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 15:37	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 15:37	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 15:37	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 15:37	1
Tetrachloroethene	ND	*	0.20	0.080	mg/L			04/05/18 15:37	1
Trichloroethene	0.072	J	0.20	0.060	mg/L			04/05/18 15:37	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120	X	65 - 116		04/05/18 15:37	1
Dibromofluoromethane (Surr)	115		72 - 120		04/05/18 15:37	1
1,2-Dichloroethane-d4 (Surr)	121		64 - 137		04/05/18 15:37	1
Toluene-d8 (Surr)	96		82 - 132		04/05/18 15:37	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT25461-040218

Lab Sample ID: 180-76369-18

Date Collected: 04/02/18 13:04

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/06/18 09:48	1
2-Butanone (MEK)	4.1		0.20	0.12	mg/L			04/06/18 09:48	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/06/18 09:48	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/06/18 09:48	1
Chloroform	ND		0.20	0.085	mg/L			04/06/18 09:48	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/06/18 09:48	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/06/18 09:48	1
Tetrachloroethene	ND		0.20	0.080	mg/L			04/06/18 09:48	1
Trichloroethene	0.081	J	0.20	0.060	mg/L			04/06/18 09:48	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/06/18 09:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128	X	65 - 116					04/06/18 09:48	1
Dibromofluoromethane (Surr)	119		72 - 120					04/06/18 09:48	1
1,2-Dichloroethane-d4 (Surr)	120		64 - 137					04/06/18 09:48	1
Toluene-d8 (Surr)	103		82 - 132					04/06/18 09:48	1

Client Sample ID: NLF-SS-PHASE2B-DRT4900-040218

Lab Sample ID: 180-76369-19

Date Collected: 04/02/18 13:08

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 15:59	1
2-Butanone (MEK)	5.0		0.20	0.12	mg/L			04/05/18 15:59	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 15:59	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 15:59	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 15:59	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 15:59	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 15:59	1
Tetrachloroethene	0.10	J*	0.20	0.080	mg/L			04/05/18 15:59	1
Trichloroethene	0.28		0.20	0.060	mg/L			04/05/18 15:59	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124	X	65 - 116					04/05/18 15:59	1
Dibromofluoromethane (Surr)	120		72 - 120					04/05/18 15:59	1
1,2-Dichloroethane-d4 (Surr)	122		64 - 137					04/05/18 15:59	1
Toluene-d8 (Surr)	104		82 - 132					04/05/18 15:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/06/18 09:26	1
2-Butanone (MEK)	4.3		0.20	0.12	mg/L			04/06/18 09:26	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/06/18 09:26	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/06/18 09:26	1
Chloroform	ND		0.20	0.085	mg/L			04/06/18 09:26	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/06/18 09:26	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/06/18 09:26	1
Tetrachloroethene	0.092	J	0.20	0.080	mg/L			04/06/18 09:26	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-DRT4900-040218

Lab Sample ID: 180-76369-19

Date Collected: 04/02/18 13:08

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.27		0.20	0.060	mg/L			04/06/18 09:26	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/06/18 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	X	65 - 116		04/06/18 09:26	1
Dibromofluoromethane (Surr)	122	X	72 - 120		04/06/18 09:26	1
1,2-Dichloroethane-d4 (Surr)	122		64 - 137		04/06/18 09:26	1
Toluene-d8 (Surr)	113		82 - 132		04/06/18 09:26	1

Client Sample ID: NLF-SS-PHASE2B-RFR274961-040218

Lab Sample ID: 180-76369-20

Date Collected: 04/02/18 13:17

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 16:21	1
2-Butanone (MEK)	0.88		0.20	0.12	mg/L			04/05/18 16:21	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 16:21	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 16:21	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 16:21	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 16:21	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 16:21	1
Tetrachloroethene	ND		0.20	0.080	mg/L			04/05/18 16:21	1
Trichloroethene	ND		0.20	0.060	mg/L			04/05/18 16:21	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		65 - 116		04/05/18 16:21	1
Dibromofluoromethane (Surr)	117		72 - 120		04/05/18 16:21	1
1,2-Dichloroethane-d4 (Surr)	121		64 - 137		04/05/18 16:21	1
Toluene-d8 (Surr)	96		82 - 132		04/05/18 16:21	1

Client Sample ID: NLF-SS-PHASE2B-RFR279945-040218

Lab Sample ID: 180-76369-21

Date Collected: 04/02/18 13:28

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 61.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1.6	0.25	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Benzene	ND		0.40	0.16	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Bromoform	ND		0.40	0.21	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Bromomethane	ND		0.40	0.36	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
2-Butanone (MEK)	ND		0.40	0.23	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Carbon disulfide	ND		0.40	0.24	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Carbon tetrachloride	ND		0.40	0.27	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Chlorobenzene	ND		0.40	0.13	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Chlorobromomethane	ND		0.40	0.15	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Chlorodibromomethane	ND		0.40	0.19	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Chloroethane	ND		0.40	0.21	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Chloroform	ND		0.40	0.17	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-RFR279945-040218

Lab Sample ID: 180-76369-21

Date Collected: 04/02/18 13:28

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 61.9

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.40	0.31	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
cis-1,2-Dichloroethene	ND		0.40	0.13	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
cis-1,3-Dichloropropene	ND		0.40	0.13	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Cyclohexane	ND		0.40	0.098	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Cyclohexanone	ND		8.0	4.7	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2-Dibromo-3-Chloropropane	ND		0.40	0.25	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2-Dibromoethane	ND		0.40	0.22	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2-Dichlorobenzene	ND		0.40	0.32	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,3-Dichlorobenzene	ND		0.40	0.13	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,4-Dichlorobenzene	ND		0.40	0.082	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Dichlorobromomethane	ND		0.40	0.19	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Dichlorodifluoromethane	ND		0.40	0.23	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,1-Dichloroethane	ND		0.40	0.15	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2-Dichloroethane	ND		0.40	0.12	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,1-Dichloroethene	ND		0.40	0.23	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2-Dichloropropane	ND		0.40	0.20	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,4-Dioxane	ND		80	2.9	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Ethylbenzene	ND		0.40	0.17	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
2-Hexanone	ND		0.40	0.34	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Isopropylbenzene	ND		0.40	0.19	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Methyl acetate	ND		2.0	0.47	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Methylcyclohexane	ND		0.40	0.17	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Methylene Chloride	ND		0.40	0.19	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
4-Methyl-2-pentanone (MIBK)	0.27	J	0.40	0.15	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Methyl tert-butyl ether	ND		0.40	0.30	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
m-Xylene & p-Xylene	ND		0.40	0.15	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
o-Xylene	ND		0.40	0.20	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Styrene	ND		0.40	0.11	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,1,2,2-Tetrachloroethane	ND		0.40	0.24	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Tetrachloroethene	ND		0.40	0.16	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Tetrahydrofuran	ND		0.80	0.60	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Toluene	0.42		0.40	0.14	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
trans-1,2-Dichloroethene	ND		0.40	0.20	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
trans-1,3-Dichloropropene	ND		0.40	0.14	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2,3-Trichlorobenzene	ND	*	0.40	0.17	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,2,4-Trichlorobenzene	ND		0.40	0.13	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,1,1-Trichloroethane	ND		0.40	0.20	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,1,2-Trichloroethane	ND		0.40	0.19	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Trichloroethene	ND		0.40	0.12	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Trichlorofluoromethane	ND		0.40	0.12	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.40	0.15	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1
Vinyl chloride	ND		0.40	0.29	mg/Kg	*	04/04/18 06:04	04/05/18 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		62 - 124	04/04/18 06:04	04/05/18 14:58	1
Dibromofluoromethane (Surr)	87		61 - 120	04/04/18 06:04	04/05/18 14:58	1
1,2-Dichloroethane-d4 (Surr)	84		63 - 133	04/04/18 06:04	04/05/18 14:58	1
Toluene-d8 (Surr)	80		68 - 130	04/04/18 06:04	04/05/18 14:58	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-RFR279945-040218

Lab Sample ID: 180-76369-21

Date Collected: 04/02/18 13:28

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 61.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	38.1		0.1	0.1	%			04/04/18 07:55	1
Percent Solids	61.9		0.1	0.1	%			04/04/18 07:55	1

Client Sample ID: NLF-SS-PHASE2B-RFR279962-040218

Lab Sample ID: 180-76369-22

Date Collected: 04/02/18 13:34

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 79.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.9	0.94	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Benzene	ND		1.5	0.58	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Bromoform	ND		1.5	0.78	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Bromomethane	ND		1.5	1.3	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
2-Butanone (MEK)	ND		1.5	0.86	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Carbon disulfide	ND		1.5	0.90	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Carbon tetrachloride	ND		1.5	0.99	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Chlorobenzene	ND		1.5	0.47	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Chlorobromomethane	ND		1.5	0.57	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Chlorodibromomethane	ND		1.5	0.72	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Chloroethane	ND		1.5	0.77	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Chloroform	ND		1.5	0.63	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Chloromethane	ND		1.5	1.1	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
cis-1,2-Dichloroethene	ND		1.5	0.47	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
cis-1,3-Dichloropropene	ND		1.5	0.48	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Cyclohexane	ND		1.5	0.36	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Cyclohexanone	170		30	17	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2-Dibromo-3-Chloropropane	ND		1.5	0.91	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2-Dibromoethane	ND		1.5	0.81	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2-Dichlorobenzene	ND		1.5	1.2	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,3-Dichlorobenzene	ND		1.5	0.47	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,4-Dichlorobenzene	ND		1.5	0.30	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Dichlorobromomethane	ND		1.5	0.70	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Dichlorodifluoromethane	ND		1.5	0.87	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,1-Dichloroethane	ND		1.5	0.54	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2-Dichloroethane	ND		1.5	0.43	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,1-Dichloroethene	ND		1.5	0.85	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2-Dichloropropane	ND		1.5	0.73	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,4-Dioxane	ND		300	11	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Ethylbenzene	ND		1.5	0.64	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
2-Hexanone	ND		1.5	1.2	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Isopropylbenzene	ND		1.5	0.69	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Methyl acetate	ND		7.4	1.8	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Methylcyclohexane	ND		1.5	0.63	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Methylene Chloride	ND		1.5	0.70	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
4-Methyl-2-pentanone (MIBK)	0.73	J	1.5	0.55	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Methyl tert-butyl ether	ND		1.5	1.1	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
m-Xylene & p-Xylene	ND		1.5	0.56	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
o-Xylene	ND		1.5	0.73	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Styrene	ND		1.5	0.40	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,1,2,2-Tetrachloroethane	ND		1.5	0.89	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-RFR279962-040218

Lab Sample ID: 180-76369-22

Date Collected: 04/02/18 13:34

Matrix: Solid

Date Received: 04/03/18 09:15

Percent Solids: 79.2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.5	0.60	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Tetrahydrofuran	ND		3.0	2.2	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Toluene	0.91	J	1.5	0.50	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
trans-1,2-Dichloroethene	ND		1.5	0.75	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
trans-1,3-Dichloropropene	ND		1.5	0.51	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2,3-Trichlorobenzene	ND	*	1.5	0.62	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,2,4-Trichlorobenzene	ND		1.5	0.48	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,1,1-Trichloroethane	ND		1.5	0.75	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,1,2-Trichloroethane	ND		1.5	0.71	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Trichloroethene	ND		1.5	0.45	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Trichlorofluoromethane	ND		1.5	0.43	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5	0.57	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5
Vinyl chloride	ND		1.5	1.1	mg/Kg	*	04/04/18 06:04	04/05/18 15:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		62 - 124	04/04/18 06:04	04/05/18 15:25	5
Dibromofluoromethane (Surr)	88		61 - 120	04/04/18 06:04	04/05/18 15:25	5
1,2-Dichloroethane-d4 (Surr)	86		63 - 133	04/04/18 06:04	04/05/18 15:25	5
Toluene-d8 (Surr)	83		68 - 130	04/04/18 06:04	04/05/18 15:25	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20.8		0.1	0.1	%			04/04/18 07:55	1
Percent Solids	79.2		0.1	0.1	%			04/04/18 07:55	1

Client Sample ID: NLF-SS-PHASE2B-RT4543-040218

Lab Sample ID: 180-76369-23

Date Collected: 04/02/18 13:40

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 16:43	1
2-Butanone (MEK)	4.7		0.20	0.12	mg/L			04/05/18 16:43	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 16:43	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 16:43	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 16:43	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 16:43	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 16:43	1
Tetrachloroethene	ND	*	0.20	0.080	mg/L			04/05/18 16:43	1
Trichloroethene	ND		0.20	0.060	mg/L			04/05/18 16:43	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	X	65 - 116		04/05/18 16:43	1
Dibromofluoromethane (Surr)	132	X	72 - 120		04/05/18 16:43	1
1,2-Dichloroethane-d4 (Surr)	142	X	64 - 137		04/05/18 16:43	1
Toluene-d8 (Surr)	112		82 - 132		04/05/18 16:43	1

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/06/18 09:04	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-RT4543-040218

Lab Sample ID: 180-76369-23

Date Collected: 04/02/18 13:40

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	3.6		0.20	0.12	mg/L			04/06/18 09:04	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/06/18 09:04	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/06/18 09:04	1
Chloroform	ND		0.20	0.085	mg/L			04/06/18 09:04	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/06/18 09:04	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/06/18 09:04	1
Tetrachloroethene	ND		0.20	0.080	mg/L			04/06/18 09:04	1
Trichloroethene	ND		0.20	0.060	mg/L			04/06/18 09:04	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/06/18 09:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	X	65 - 116					04/06/18 09:04	1
Dibromofluoromethane (Surr)	117		72 - 120					04/06/18 09:04	1
1,2-Dichloroethane-d4 (Surr)	124		64 - 137					04/06/18 09:04	1
Toluene-d8 (Surr)	106		82 - 132					04/06/18 09:04	1

Client Sample ID: NLF-SS-PHASE2B-PT2452-040218

Lab Sample ID: 180-76369-24

Date Collected: 04/02/18 13:48

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/05/18 17:05	1
2-Butanone (MEK)	0.43		0.20	0.12	mg/L			04/05/18 17:05	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/05/18 17:05	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/05/18 17:05	1
Chloroform	ND		0.20	0.085	mg/L			04/05/18 17:05	1
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/05/18 17:05	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/05/18 17:05	1
Tetrachloroethene	ND	*	0.20	0.080	mg/L			04/05/18 17:05	1
Trichloroethene	ND		0.20	0.060	mg/L			04/05/18 17:05	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/05/18 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		65 - 116					04/05/18 17:05	1
Dibromofluoromethane (Surr)	120		72 - 120					04/05/18 17:05	1
1,2-Dichloroethane-d4 (Surr)	127		64 - 137					04/05/18 17:05	1
Toluene-d8 (Surr)	100		82 - 132					04/05/18 17:05	1

Client Sample ID: NLF-SS-PHASE2B-CHRT25541-040218

Lab Sample ID: 180-76369-25

Date Collected: 04/02/18 13:54

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.079	mg/L			04/06/18 08:42	1
2-Butanone (MEK)	ND		0.20	0.12	mg/L			04/06/18 08:42	1
Carbon tetrachloride	ND		0.20	0.13	mg/L			04/06/18 08:42	1
Chlorobenzene	ND		0.20	0.063	mg/L			04/06/18 08:42	1
Chloroform	ND		0.20	0.085	mg/L			04/06/18 08:42	1

TestAmerica Pittsburgh

Client Sample Results

Client: Geosyntec Consultants, Inc.
 Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Client Sample ID: NLF-SS-PHASE2B-CHRT25541-040218

Lab Sample ID: 180-76369-25

Date Collected: 04/02/18 13:54

Matrix: Solid

Date Received: 04/03/18 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.058	mg/L			04/06/18 08:42	1
1,1-Dichloroethene	ND		0.20	0.11	mg/L			04/06/18 08:42	1
Tetrachloroethene	ND		0.20	0.080	mg/L			04/06/18 08:42	1
Trichloroethene	ND		0.20	0.060	mg/L			04/06/18 08:42	1
Vinyl chloride	ND		0.20	0.15	mg/L			04/06/18 08:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		65 - 116					04/06/18 08:42	1
Dibromofluoromethane (Surr)	108		72 - 120					04/06/18 08:42	1
1,2-Dichloroethane-d4 (Surr)	115		64 - 137					04/06/18 08:42	1
Toluene-d8 (Surr)	93		82 - 132					04/06/18 08:42	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 180-241356/3
Matrix: Solid
Analysis Batch: 241356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0400	0.0460		mg/L		115	78 - 118
2-Butanone (MEK)	0.0400	0.0535		mg/L		134	30 - 150
Carbon tetrachloride	0.0400	0.0445		mg/L		111	60 - 137
Chlorobenzene	0.0400	0.0455		mg/L		114	78 - 118
Chloroform	0.0400	0.0416		mg/L		104	68 - 124
1,2-Dichloroethane	0.0400	0.0421		mg/L		105	67 - 123
1,1-Dichloroethene	0.0400	0.0462		mg/L		115	59 - 128
Tetrachloroethene	0.0400	0.0478	*	mg/L		119	78 - 118
Trichloroethene	0.0400	0.0434		mg/L		109	76 - 120
Vinyl chloride	0.0400	0.0477		mg/L		119	53 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		65 - 116
Dibromofluoromethane (Surr)	100		72 - 120
1,2-Dichloroethane-d4 (Surr)	97		64 - 137
Toluene-d8 (Surr)	111		82 - 132

Lab Sample ID: LCS 180-241453/3
Matrix: Solid
Analysis Batch: 241453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0400	0.0413		mg/L		103	78 - 118
2-Butanone (MEK)	0.0400	0.0489		mg/L		122	30 - 150
Carbon tetrachloride	0.0400	0.0396		mg/L		99	60 - 137
Chlorobenzene	0.0400	0.0417		mg/L		104	78 - 118
Chloroform	0.0400	0.0378		mg/L		95	68 - 124
1,2-Dichloroethane	0.0400	0.0386		mg/L		96	67 - 123
1,1-Dichloroethene	0.0400	0.0412		mg/L		103	59 - 128
Tetrachloroethene	0.0400	0.0424		mg/L		106	78 - 118
Trichloroethene	0.0400	0.0391		mg/L		98	76 - 120
Vinyl chloride	0.0400	0.0440		mg/L		110	53 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		65 - 116
Dibromofluoromethane (Surr)	96		72 - 120
1,2-Dichloroethane-d4 (Surr)	95		64 - 137
Toluene-d8 (Surr)	110		82 - 132

Lab Sample ID: LB 180-241307/1-A
Matrix: Solid
Analysis Batch: 241356

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.050	0.020	mg/L			04/05/18 13:25	1
2-Butanone (MEK)	ND		0.050	0.029	mg/L			04/05/18 13:25	1
Carbon tetrachloride	ND		0.050	0.033	mg/L			04/05/18 13:25	1

TestAmerica Pittsburgh

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 180-241307/1-A
Matrix: Solid
Analysis Batch: 241356

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobenzene	ND		0.050	0.016	mg/L			04/05/18 13:25	1
Chloroform	ND		0.050	0.021	mg/L			04/05/18 13:25	1
1,2-Dichloroethane	ND		0.050	0.015	mg/L			04/05/18 13:25	1
1,1-Dichloroethene	ND		0.050	0.029	mg/L			04/05/18 13:25	1
Tetrachloroethene	ND		0.050	0.020	mg/L			04/05/18 13:25	1
Trichloroethene	ND		0.050	0.015	mg/L			04/05/18 13:25	1
Vinyl chloride	ND		0.050	0.037	mg/L			04/05/18 13:25	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	86		65 - 116		04/05/18 13:25	1
Dibromofluoromethane (Surr)	115		72 - 120		04/05/18 13:25	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 137		04/05/18 13:25	1
Toluene-d8 (Surr)	99		82 - 132		04/05/18 13:25	1

Lab Sample ID: LB 180-241307/1-A
Matrix: Solid
Analysis Batch: 241453

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.050	0.020	mg/L			04/06/18 08:19	1
2-Butanone (MEK)	ND		0.050	0.029	mg/L			04/06/18 08:19	1
Carbon tetrachloride	ND		0.050	0.033	mg/L			04/06/18 08:19	1
Chlorobenzene	ND		0.050	0.016	mg/L			04/06/18 08:19	1
Chloroform	ND		0.050	0.021	mg/L			04/06/18 08:19	1
1,2-Dichloroethane	ND		0.050	0.015	mg/L			04/06/18 08:19	1
1,1-Dichloroethene	ND		0.050	0.029	mg/L			04/06/18 08:19	1
Tetrachloroethene	ND		0.050	0.020	mg/L			04/06/18 08:19	1
Trichloroethene	ND		0.050	0.015	mg/L			04/06/18 08:19	1
Vinyl chloride	ND		0.050	0.037	mg/L			04/06/18 08:19	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	90		65 - 116		04/06/18 08:19	1
Dibromofluoromethane (Surr)	112		72 - 120		04/06/18 08:19	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 137		04/06/18 08:19	1
Toluene-d8 (Surr)	98		82 - 132		04/06/18 08:19	1

Lab Sample ID: 180-76369-25 MS
Matrix: Solid
Analysis Batch: 241453

Client Sample ID: NLF-SS-PHASE2B-CHRT25541-040218
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	ND		1.60	1.75		mg/L		109	78 - 118
2-Butanone (MEK)	ND		1.60	1.78		mg/L		111	30 - 150
Carbon tetrachloride	ND		1.60	1.61		mg/L		101	60 - 137
Chlorobenzene	ND		1.60	1.71		mg/L		107	78 - 118
Chloroform	ND		1.60	1.56		mg/L		97	68 - 124
1,2-Dichloroethane	ND		1.60	1.66		mg/L		104	67 - 123
1,1-Dichloroethene	ND		1.60	1.77		mg/L		110	59 - 128

TestAmerica Pittsburgh

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-76369-25 MS

Client Sample ID: NLF-SS-PHASE2B-CHRT25541-040218

Matrix: Solid

Prep Type: TCLP

Analysis Batch: 241453

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				
Tetrachloroethene	ND		1.60	1.72		mg/L		108	78 - 118
Trichloroethene	ND		1.60	1.59		mg/L		100	76 - 120
Vinyl chloride	ND		1.60	1.84		mg/L		115	53 - 148

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121	X	65 - 116
Dibromofluoromethane (Surr)	112		72 - 120
1,2-Dichloroethane-d4 (Surr)	114		64 - 137
Toluene-d8 (Surr)	121		82 - 132

Lab Sample ID: 180-76369-25 MSD

Client Sample ID: NLF-SS-PHASE2B-CHRT25541-040218

Matrix: Solid

Prep Type: TCLP

Analysis Batch: 241453

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier		Result	Qualifier						RPD
Benzene	ND		1.60	1.83		mg/L		114	78 - 118	5	15
2-Butanone (MEK)	ND		1.60	1.75		mg/L		109	30 - 150	2	35
Carbon tetrachloride	ND		1.60	1.74		mg/L		108	60 - 137	7	21
Chlorobenzene	ND		1.60	1.78		mg/L		111	78 - 118	4	15
Chloroform	ND		1.60	1.69		mg/L		106	68 - 124	8	15
1,2-Dichloroethane	ND		1.60	1.71		mg/L		107	67 - 123	3	15
1,1-Dichloroethene	ND		1.60	1.83		mg/L		114	59 - 128	3	17
Tetrachloroethene	ND		1.60	1.82		mg/L		114	78 - 118	6	20
Trichloroethene	ND		1.60	1.74		mg/L		109	76 - 120	9	15
Vinyl chloride	ND		1.60	1.94		mg/L		121	53 - 148	5	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		65 - 116
Dibromofluoromethane (Surr)	110		72 - 120
1,2-Dichloroethane-d4 (Surr)	109		64 - 137
Toluene-d8 (Surr)	116		82 - 132

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-241259/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 241251

Prep Batch: 241259

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		1.0	0.16	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Benzene	ND		0.25	0.098	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Bromoform	ND		0.25	0.13	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Bromomethane	ND		0.25	0.22	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
2-Butanone (MEK)	ND		0.25	0.14	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Carbon disulfide	ND		0.25	0.15	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Carbon tetrachloride	ND		0.25	0.17	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Chlorobenzene	ND		0.25	0.079	mg/Kg		04/04/18 06:04	04/04/18 11:07	1

TestAmerica Pittsburgh

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-241259/1-A
Matrix: Solid
Analysis Batch: 241251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241259

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobromomethane	ND		0.25	0.096	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Chlorodibromomethane	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Chloroethane	ND		0.25	0.13	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Chloroform	ND		0.25	0.11	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Chloromethane	ND		0.25	0.19	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
cis-1,2-Dichloroethene	ND		0.25	0.079	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
cis-1,3-Dichloropropene	ND		0.25	0.080	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Cyclohexane	ND		0.25	0.061	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Cyclohexanone	ND		5.0	2.9	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2-Dibromo-3-Chloropropane	ND		0.25	0.15	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2-Dibromoethane	ND		0.25	0.14	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2-Dichlorobenzene	ND		0.25	0.20	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,3-Dichlorobenzene	ND		0.25	0.080	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,4-Dichlorobenzene	ND		0.25	0.051	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Dichlorobromomethane	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Dichlorodifluoromethane	ND		0.25	0.15	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,1-Dichloroethane	ND		0.25	0.091	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2-Dichloroethane	ND		0.25	0.073	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,1-Dichloroethene	ND		0.25	0.14	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2-Dichloropropene	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,4-Dioxane	ND		50	1.8	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Ethylbenzene	ND		0.25	0.11	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
2-Hexanone	ND		0.25	0.21	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Isopropylbenzene	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Methyl acetate	ND		1.3	0.29	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Methylcyclohexane	ND		0.25	0.11	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Methylene Chloride	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.25	0.093	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Methyl tert-butyl ether	ND		0.25	0.18	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
m-Xylene & p-Xylene	ND		0.25	0.094	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
o-Xylene	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Styrene	ND		0.25	0.067	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,1,2,2-Tetrachloroethane	ND		0.25	0.15	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Tetrachloroethene	ND		0.25	0.10	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Tetrahydrofuran	ND		0.50	0.37	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Toluene	ND		0.25	0.084	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
trans-1,2-Dichloroethene	ND		0.25	0.13	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
trans-1,3-Dichloropropene	ND		0.25	0.086	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2,3-Trichlorobenzene	ND		0.25	0.10	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,2,4-Trichlorobenzene	ND		0.25	0.081	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,1,1-Trichloroethane	ND		0.25	0.13	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,1,2-Trichloroethane	ND		0.25	0.12	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Trichloroethene	ND		0.25	0.075	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Trichlorofluoromethane	ND		0.25	0.073	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.25	0.095	mg/Kg		04/04/18 06:04	04/04/18 11:07	1
Vinyl chloride	ND		0.25	0.18	mg/Kg		04/04/18 06:04	04/04/18 11:07	1

TestAmerica Pittsburgh

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-241259/1-A
Matrix: Solid
Analysis Batch: 241251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241259

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	91		62 - 124	04/04/18 06:04	04/04/18 11:07	1
Dibromofluoromethane (Surr)	94		61 - 120	04/04/18 06:04	04/04/18 11:07	1
1,2-Dichloroethane-d4 (Surr)	97		63 - 133	04/04/18 06:04	04/04/18 11:07	1
Toluene-d8 (Surr)	89		68 - 130	04/04/18 06:04	04/04/18 11:07	1

Lab Sample ID: LCS 180-241259/2-A
Matrix: Solid
Analysis Batch: 241251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241259
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	2.00	2.00		mg/Kg		100	16 - 150
Benzene	2.00	1.96		mg/Kg		98	74 - 117
Bromoform	2.00	2.36		mg/Kg		118	47 - 150
Bromomethane	2.00	2.38		mg/Kg		119	13 - 150
2-Butanone (MEK)	2.00	1.95		mg/Kg		98	29 - 150
Carbon disulfide	2.00	2.39		mg/Kg		120	61 - 132
Carbon tetrachloride	2.00	2.36		mg/Kg		118	63 - 134
Chlorobenzene	2.00	1.97		mg/Kg		99	77 - 117
Chlorobromomethane	2.00	1.90		mg/Kg		95	71 - 120
Chlorodibromomethane	2.00	2.43		mg/Kg		121	59 - 141
Chloroethane	2.00	2.22		mg/Kg		111	28 - 150
Chloroform	2.00	1.97		mg/Kg		98	70 - 122
Chloromethane	2.00	1.80		mg/Kg		90	36 - 148
cis-1,2-Dichloroethene	2.00	1.97		mg/Kg		98	72 - 117
cis-1,3-Dichloropropene	2.00	2.44		mg/Kg		122	70 - 132
Cyclohexane	2.00	2.34		mg/Kg		117	65 - 126
1,2-Dibromo-3-Chloropropane	2.00	1.62		mg/Kg		81	50 - 138
1,2-Dibromoethane	2.00	1.88		mg/Kg		94	78 - 118
1,2-Dichlorobenzene	2.00	1.92		mg/Kg		96	75 - 115
1,3-Dichlorobenzene	2.00	1.98		mg/Kg		99	76 - 116
1,4-Dichlorobenzene	2.00	1.97		mg/Kg		98	77 - 117
Dichlorobromomethane	2.00	2.42		mg/Kg		121	65 - 139
Dichlorodifluoromethane	2.00	1.75		mg/Kg		87	10 - 150
1,1-Dichloroethane	2.00	1.96		mg/Kg		98	68 - 122
1,2-Dichloroethane	2.00	1.96		mg/Kg		98	65 - 131
1,1-Dichloroethene	2.00	1.93		mg/Kg		96	62 - 127
1,2-Dichloropropane	2.00	2.03		mg/Kg		102	77 - 119
1,4-Dioxane	40.0	24.4	J	mg/Kg		61	44 - 149
Ethylbenzene	2.00	1.96		mg/Kg		98	76 - 116
2-Hexanone	2.00	1.88		mg/Kg		94	31 - 150
Isopropylbenzene	2.00	2.07		mg/Kg		104	70 - 124
Methyl acetate	4.00	3.76		mg/Kg		94	59 - 143
Methylcyclohexane	2.00	2.04		mg/Kg		102	75 - 118
Methylene Chloride	2.00	1.81		mg/Kg		90	64 - 118
4-Methyl-2-pentanone (MIBK)	2.00	2.00		mg/Kg		100	56 - 146
Methyl tert-butyl ether	2.00	2.00		mg/Kg		100	63 - 129
m-Xylene & p-Xylene	2.00	2.01		mg/Kg		100	77 - 117
o-Xylene	2.00	2.03		mg/Kg		102	77 - 117

TestAmerica Pittsburgh

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-241259/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 241251				Prep Batch: 241259			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Styrene	2.00	2.08		mg/Kg		104	77 - 117
1,1,2,2-Tetrachloroethane	2.00	1.79		mg/Kg		90	66 - 127
Tetrachloroethene	2.00	1.87		mg/Kg		93	77 - 118
Tetrahydrofuran	4.00	4.31		mg/Kg		108	64 - 129
Toluene	2.00	1.97		mg/Kg		98	73 - 122
trans-1,2-Dichloroethene	2.00	1.88		mg/Kg		94	72 - 117
trans-1,3-Dichloropropene	2.00	2.10		mg/Kg		105	65 - 133
1,2,3-Trichlorobenzene	2.00	0.931	*	mg/Kg		47	50 - 143
1,2,4-Trichlorobenzene	2.00	1.08		mg/Kg		54	50 - 144
1,1,1-Trichloroethane	2.00	2.35		mg/Kg		118	68 - 131
1,1,2-Trichloroethane	2.00	1.87		mg/Kg		93	77 - 117
Trichloroethene	2.00	2.07		mg/Kg		104	75 - 121
Trichlorofluoromethane	2.00	2.90		mg/Kg		145	18 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	1.79		mg/Kg		90	57 - 138
Vinyl chloride	2.00	1.87		mg/Kg		94	41 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		62 - 124
Dibromofluoromethane (Surr)	89		61 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 133
Toluene-d8 (Surr)	85		68 - 130

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-241409/1-A				Client Sample ID: Method Blank					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 241615				Prep Batch: 241409					
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.0041	mg/L		04/05/18 12:52	04/06/18 13:39	1
Barium	ND		0.20	0.0011	mg/L		04/05/18 12:52	04/06/18 13:39	1
Cadmium	ND		0.050	0.00016	mg/L		04/05/18 12:52	04/06/18 13:39	1
Chromium	ND		0.050	0.00078	mg/L		04/05/18 12:52	04/06/18 13:39	1
Lead	ND		0.050	0.0029	mg/L		04/05/18 12:52	04/06/18 13:39	1
Selenium	ND		0.050	0.0036	mg/L		04/05/18 12:52	04/06/18 13:39	1
Silver	ND		0.050	0.00085	mg/L		04/05/18 12:52	04/06/18 13:39	1

Lab Sample ID: LCS 180-241409/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 241615				Prep Batch: 241409			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.500	0.515		mg/L		103	80 - 120
Barium	2.00	1.99		mg/L		100	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Chromium	0.200	0.197		mg/L		98	80 - 120
Lead	0.500	0.500		mg/L		100	80 - 120

TestAmerica Pittsburgh

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-241409/2-A
Matrix: Solid
Analysis Batch: 241615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241409
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Selenium	0.500	0.524		mg/L		105	80 - 120
Silver	0.0500	0.0516		mg/L		103	80 - 120

Lab Sample ID: LB 180-241293/1-C
Matrix: Solid
Analysis Batch: 241615

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 241409

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		04/05/18 12:52	04/06/18 13:49	1
Barium	0.0175	J	2.0	0.011	mg/L		04/05/18 12:52	04/06/18 13:49	1
Cadmium	ND		0.50	0.0016	mg/L		04/05/18 12:52	04/06/18 13:49	1
Chromium	0.00790	J	0.50	0.0078	mg/L		04/05/18 12:52	04/06/18 13:49	1
Lead	ND		0.50	0.029	mg/L		04/05/18 12:52	04/06/18 13:49	1
Selenium	ND		0.50	0.036	mg/L		04/05/18 12:52	04/06/18 13:49	1
Silver	ND		0.50	0.0085	mg/L		04/05/18 12:52	04/06/18 13:49	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-241396/1-A
Matrix: Solid
Analysis Batch: 241473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 241396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000065	mg/L		04/05/18 10:58	04/06/18 07:20	1

Lab Sample ID: LCS 180-241396/2-A
Matrix: Solid
Analysis Batch: 241473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241396
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00244		mg/L		98	80 - 120

Lab Sample ID: LB 180-241293/1-B
Matrix: Solid
Analysis Batch: 241473

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 241396

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000065	mg/L		04/05/18 10:58	04/06/18 07:42	1

Method: 2540G - SM 2540G

Lab Sample ID: 180-76369-17 DU
Matrix: Solid
Analysis Batch: 241258

Client Sample ID: NLF-SS-PHASE2B-CHRT24778-040218
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	21.0		21.3		%		1	20
Percent Solids	79.0		78.7		%		0.4	20

TestAmerica Pittsburgh

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

GC/MS VOA

Analysis Batch: 241251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-241259/1-A	Method Blank	Total/NA	Solid	EPA 8260C	241259
LCS 180-241259/2-A	Lab Control Sample	Total/NA	Solid	EPA 8260C	241259

Prep Batch: 241259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-21	NLF-SS-PHASE2B-RFR279945-040218	Total/NA	Solid	5030C	
180-76369-22	NLF-SS-PHASE2B-RFR279962-040218	Total/NA	Solid	5030C	
MB 180-241259/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 180-241259/2-A	Lab Control Sample	Total/NA	Solid	5030C	

Leach Batch: 241307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	1311	
180-76369-15 - RA	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	1311	
180-76369-16 - RA	NLF-SS-PHASE2B-CHRT12472-040218	TCLP	Solid	1311	
180-76369-16	NLF-SS-PHASE2B-CHRT12472-040218	TCLP	Solid	1311	
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	1311	
180-76369-18 - RA	NLF-SS-PHASE2B-CHRT25461-040218	TCLP	Solid	1311	
180-76369-18	NLF-SS-PHASE2B-CHRT25461-040218	TCLP	Solid	1311	
180-76369-19	NLF-SS-PHASE2B-DRT4900-040218	TCLP	Solid	1311	
180-76369-19 - RA	NLF-SS-PHASE2B-DRT4900-040218	TCLP	Solid	1311	
180-76369-20	NLF-SS-PHASE2B-RFR274961-040218	TCLP	Solid	1311	
180-76369-23 - RA	NLF-SS-PHASE2B-RT4543-040218	TCLP	Solid	1311	
180-76369-23	NLF-SS-PHASE2B-RT4543-040218	TCLP	Solid	1311	
180-76369-24	NLF-SS-PHASE2B-PT2452-040218	TCLP	Solid	1311	
180-76369-25	NLF-SS-PHASE2B-CHRT25541-040218	TCLP	Solid	1311	
LB 180-241307/1-A	Method Blank	TCLP	Solid	1311	
180-76369-25 MS	NLF-SS-PHASE2B-CHRT25541-040218	TCLP	Solid	1311	
180-76369-25 MSD	NLF-SS-PHASE2B-CHRT25541-040218	TCLP	Solid	1311	

Analysis Batch: 241348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-21	NLF-SS-PHASE2B-RFR279945-040218	Total/NA	Solid	EPA 8260C	241259
180-76369-22	NLF-SS-PHASE2B-RFR279962-040218	Total/NA	Solid	EPA 8260C	241259

Analysis Batch: 241356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-15 - RA	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	8260C	241307
180-76369-16 - RA	NLF-SS-PHASE2B-CHRT12472-040218	TCLP	Solid	8260C	241307
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	8260C	241307
180-76369-18	NLF-SS-PHASE2B-CHRT25461-040218	TCLP	Solid	8260C	241307
180-76369-19	NLF-SS-PHASE2B-DRT4900-040218	TCLP	Solid	8260C	241307
180-76369-20	NLF-SS-PHASE2B-RFR274961-040218	TCLP	Solid	8260C	241307
180-76369-23	NLF-SS-PHASE2B-RT4543-040218	TCLP	Solid	8260C	241307
180-76369-24	NLF-SS-PHASE2B-PT2452-040218	TCLP	Solid	8260C	241307
LB 180-241307/1-A	Method Blank	TCLP	Solid	8260C	241307
LCS 180-241356/3	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 241453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	8260C	241307

TestAmerica Pittsburgh

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

GC/MS VOA (Continued)

Analysis Batch: 241453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-16	NLF-SS-PHASE2B-CHRT12472-040218	TCLP	Solid	8260C	241307
180-76369-18 - RA	NLF-SS-PHASE2B-CHRT25461-040218	TCLP	Solid	8260C	241307
180-76369-19 - RA	NLF-SS-PHASE2B-DRT4900-040218	TCLP	Solid	8260C	241307
180-76369-23 - RA	NLF-SS-PHASE2B-RT4543-040218	TCLP	Solid	8260C	241307
180-76369-25	NLF-SS-PHASE2B-CHRT25541-040218	TCLP	Solid	8260C	241307
LB 180-241307/1-A	Method Blank	TCLP	Solid	8260C	241307
LCS 180-241453/3	Lab Control Sample	Total/NA	Solid	8260C	
180-76369-25 MS	NLF-SS-PHASE2B-CHRT25541-040218	TCLP	Solid	8260C	241307
180-76369-25 MSD	NLF-SS-PHASE2B-CHRT25541-040218	TCLP	Solid	8260C	241307

Metals

Leach Batch: 241293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	TCLP	Solid	1311	
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	TCLP	Solid	1311	
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	1311	
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	1311	
LB 180-241293/1-B	Method Blank	TCLP	Solid	1311	
LB 180-241293/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 241396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	TCLP	Solid	7470A	241293
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	TCLP	Solid	7470A	241293
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	7470A	241293
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	7470A	241293
LB 180-241293/1-B	Method Blank	TCLP	Solid	7470A	241293
MB 180-241396/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-241396/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 241409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	TCLP	Solid	3010A	241293
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	TCLP	Solid	3010A	241293
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	3010A	241293
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	3010A	241293
LB 180-241293/1-C	Method Blank	TCLP	Solid	3010A	241293
MB 180-241409/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-241409/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 241473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	TCLP	Solid	7470A	241396
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	TCLP	Solid	7470A	241396
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	7470A	241396
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	7470A	241396
LB 180-241293/1-B	Method Blank	TCLP	Solid	7470A	241396
MB 180-241396/1-A	Method Blank	Total/NA	Solid	7470A	241396
LCS 180-241396/2-A	Lab Control Sample	Total/NA	Solid	7470A	241396

TestAmerica Pittsburgh

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Stratus Redtail Ranch, LLC

TestAmerica Job ID: 180-76369-2

Metals (Continued)

Analysis Batch: 241615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	TCLP	Solid	6010C	241409
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	TCLP	Solid	6010C	241409
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	TCLP	Solid	6010C	241409
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	TCLP	Solid	6010C	241409
LB 180-241293/1-C	Method Blank	TCLP	Solid	6010C	241409
MB 180-241409/1-A	Method Blank	Total/NA	Solid	6010C	241409
LCS 180-241409/2-A	Lab Control Sample	Total/NA	Solid	6010C	241409

General Chemistry

Analysis Batch: 241258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-15	NLF-SS-PHASE2B-CHRT27421-040218	Total/NA	Solid	2540G	
180-76369-17	NLF-SS-PHASE2B-CHRT24778-040218	Total/NA	Solid	2540G	
180-76369-17 DU	NLF-SS-PHASE2B-CHRT24778-040218	Total/NA	Solid	2540G	

Analysis Batch: 241270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-76369-13	NLF-SS-PHASE2B-PT5630-040218	Total/NA	Solid	2540G	
180-76369-14	NLF-SS-PHASE2B-PT3017-040218	Total/NA	Solid	2540G	
180-76369-21	NLF-SS-PHASE2B-RFR279945-040218	Total/NA	Solid	2540G	
180-76369-22	NLF-SS-PHASE2B-RFR279962-040218	Total/NA	Solid	2540G	

Chain of Custody Record

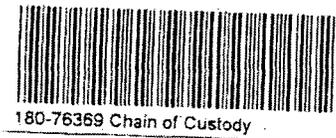
Sampler ID _____
 Temperature on Receipt _____
 Drinking Water? Yes No

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-260 (0508)

Client CAEON LTRC			Project Manager JACKIE ROWLEY / TOM KRASOVEC			Date 04/02/18	Chain of Custody Number 196194
Address 6110 GREENWOOD PLAZA BLD STE 540			Telephone Number (Area Code)/Fax Number 331-308-3153			Lab Number	Page 1 of 2
City GREENWOOD VILLAGE CO	State CO	Zip Code 80111	Site Contact P. MEDARD	Lab Contact DAVE QUARAP	Analysis (Attach list if more space is needed)		
Project Name and Location (State) STRATUS REDTAL RAUNCH			Carrier/Waybill Number			Special Instructions/ Conditions of Receipt	
Contract/Purchase Order/Quote No.							

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives								22700 VOL'S	22710 SVCS	Asstots		
			Air	Aqueous	Soc.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	Reg.DH						
TB 040218	04/02/18	0830			2														
MF-SS-PHASE2B-CONF WALL-01-040218	04/02/18	11:15			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-02-040218		1126			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-03-040218		1132			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-04-040218		1138			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-05-040218		1141			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-06-040218		1145			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-07-040218		1153			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-08-040218		1201			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-09-040218		1206			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-10-040218		1214			2			X								X	X		
MF-SS-PHASE2B-CONF WALL-11-040218		1220			2			X								X	X		



Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **ASAP**

QC Requirements (Specify)

1. Relinquished By <i>[Signature]</i>	Date 04/02/18	Time 16:15	1. Received By <i>[Signature]</i>	Date 4/12/18	Time 17:10
2. Relinquished By <i>[Signature]</i>	Date 4/12/18	Time 17:10	2. Received By <i>[Signature]</i>	Date 4/12/18	Time 9:15
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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4/9/2018

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-76369-2

Login Number: 76369
List Number: 1
Creator: Say, Thomas C

List Source: TestAmerica Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

No.	BIN DETAILS									SAMPLING DETAILS								COST DETAILS			
	Bin Number	Contents	Source	Size	Date Out	Corresponding Sample #	Disposition	Status	Manifest No.	EPA 8260C - VOC's	EPA 8270D - SVOC's	8270D LL - SVOC's	EPA-7471B - Mercury	EPA 6010C - Metals	7470A - Mercury	EPA 8260C-TCLP	EPA-8260 Totals	Exceedances Based on the 20x Rule (Totals:Max. Concentration Limit)	Costs for Disposal	Cost of Transportation	Remaining Costs
1	RFR279684	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279684-020818	KIMBALL	Approved - Ready to go offsite		X	X	X	X	X	X	X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Trichloroethene, Vinyl Chloride; Failed TCLP for Trichloroethene	\$14,080.00	\$1,550.00	\$15,630.00
1	RFR279853	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279853-020818	DEER TRAIL	Approved - Ready to go offsite		X	X	X	X	X	X	X	X	Vinyl Chloride (5.5:4)	\$2,960.00	\$1,325.00	
2	HT2645	DEBRIS	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved - Ready to go offsite											\$2,960.00	\$1,325.00	
3	HT3115	DEBRIS	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved - Ready to go offsite											\$2,960.00	\$1,325.00	
4	CHRT26308	DEBRIS	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved - Ready to go offsite											\$2,960.00	\$1,325.00	
5	CHRT27516	DECON	PHASE 2B	ROLL-OFF BIN			DEER TRAIL	Approved - Ready to go offsite											\$2,960.00	\$1,325.00	\$21,425.00
1	CHRT25418	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25418-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene (42:13), 1,2-Dichloroethene (22:10), Benzene (29:10), Carbon tetrachloride (49:10), Tetrachloroethene (22:10), Trichloroethene (22:10), Vinyl Chloride (54:4)	\$704.00	\$196.00	
2	CHRT25461	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2-CHRT25461-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	1,1-Dichloroethene (44:14), 1,2-Dichloroethene (22:10), Benzene (30:10), Carbon tetrachloride (51:10), Tetrachloroethene (31:13), Trichloroethene (23:10), Vinyl Chloride (57:4)	\$704.00	\$196.00	
3	CHRT26993	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26993-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene (35:14), 1,2-Dichloroethene (18:10), Benzene 24:10, Carbon tetrachloride (41:10), Tetrachloroethene (25:14), Trichloroethene (19:10), Vinyl Chloride (45:4)	\$704.00	\$196.00	
4	CHRT27407	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27407-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene (35:14), 1,2-Dichloroethene (18:10), Benzene (24:10), Carbon tetrachloride (40:10), Tetrachloroethene (24:14), Trichloroethene (18:10), Vinyl Chloride (45:4)	\$704.00	\$196.00	
5	DRT4900	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4900-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	1,1-Dichloroethene (92:14), 1,2-Dichloroethene (47:10), Benzene (63:10), Carbon tetrachloride (110:10), Tetrachloroethene (65:14), Trichloroethene (48:10), Vinyl Chloride (120:4)	\$704.00	\$196.00	
6	PT1096	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT1096-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene (39:14), 1,2-Dichloroethene (20:10), Benzene (27:10), Carbon tetrachloride (45:10), Tetrachloroethene (27:14), Trichloroethene (20:10), Vinyl Chloride (50:4)	\$704.00	\$196.00	
7	PT3652	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT3652-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene (45:14), 1,2-Dichloroethene (23:10), Benzene (31:10), Carbon tetrachloride (52:10), Tetrachloroethene (31:14), Trichloroethene (24:10), Vinyl Chloride (57:4)	\$704.00	\$196.00	
8	PT5627	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5627-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene, 1,2 (44:14)-Dichloroethene (22:10), Benzene (30:10), Carbon tetrachloride (51:10), Tetrachloroethene (31:14), Trichloroethene (23:10), Vinyl Chloride (56:4)	\$704.00	\$196.00	
9	RT4543-2	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-RT4543-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	1,1-Dichloroethene (47:14), 1,2-Dichloroethene (24:10), Benzene (32:10), Carbon tetrachloride (54:10), Tetrachloroethene (33:14), Trichloroethene (25:10), Vinyl Chloride (60:4)	\$704.00	\$196.00	
10	PT2489	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT2489-020518 NLF-SS-PHASE2B-PT2489-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene, 1,2 (37:14)-Dichloroethene (19:10), Benzene (26:10), Carbon tetrachloride (43:10), Tetrachloroethene (26:14), Trichloroethene (20:10), Vinyl Chloride (48:4) (020518); Chromium only (120:100) (030118)	\$704.00	\$196.00	
11	PT2452	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT2452-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	1,1-Dichloroethene (18:14), Benzene (13:10), Carbon Tetrachloride (21:10), Vinyl chloride (24:4)	\$704.00	\$196.00	
12	CHRT26964	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26964-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	1,1-Dichloroethene (18:14), Benzene (12:10), Carbon Tetrachloride (21:10), Vinyl Chloride (23:4)	\$704.00	\$196.00	
13	CHRT24778	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT24778-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	Vinyl Chloride (5.7:4), Chromium (110:100)	\$704.00	\$196.00	
14	CHRT27438	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27438-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00	
15	CHRT25541	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25541-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X		Vinyl Chloride (11:4)	\$704.00	\$196.00	
16	CHRT25520	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25520-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00	

17	CHRT25556	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25556-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00
18	CHRT27391	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27391-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	Vinyl Chloride (11:4)	\$704.00	\$196.00
19	CHRT25725	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25725-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	Vinyl Chloride (4.1:4)	\$704.00	\$196.00
20	PT5630	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5630-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	Chromium (430:100)	\$704.00	\$196.00
21	CHRT27421	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27421-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	Vinyl Chloride (6:4), Chromium (590:100)	\$704.00	\$196.00
22	HT3701	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT3701-030118	FRONT RANGE	Approved - Ready to go offsite		X	X			X			X	Vinyl Chloride (5.3:4)	\$704.00	\$196.00
23	RFR274961	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-RFR274961-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X		X	X	Vinyl Chloride (5.1:4)	\$704.00	\$196.00
24	CHRT24497	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT24497-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene, Benzene, Carbon Tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride, Chromium	\$704.00	\$196.00
25	CHRT25758	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25758-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride	\$704.00	\$196.00
26	PT5631	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5631-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride, Chromium	\$704.00	\$196.00
27	CHRT26830	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26830-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene (84:14), 1,2-Dichloroethene (43:10), Benzene (58:10), Carbon tetrachloride (98:10), Tetrachloroethene (59:14), Trichloroethene (54:10), Vinyl Chloride (110:4)	\$704.00	\$196.00
28	RFR279947	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279947-020818	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X	X	X	X	Trichloroethene, Vinyl Chloride	\$704.00	\$196.00
29	RFR279964	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279964-020818 NLF-SS-PHASE2B-279964-030118	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X	X	X	X	Chromium, Tetrachloroethene	\$704.00	\$196.00
30	PT5628	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT5628-021418	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X	X	X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Vinyl Chloride	\$704.00	\$196.00
31	DRT4719	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4719-020818 NLF-SS-PHASE2B-DRT4719-030118	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X	X	X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride	\$704.00	\$196.00
32	DRT4699	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4699-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Vinyl Chloride	\$704.00	\$196.00
33	CHRT25696	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25696-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene, 1,2-Dichloroethene, Benzene, Carbon tetrachloride, Tetrachloroethene, Trichloroethene, Vinyl Chloride	\$704.00	\$196.00
34	CHRT25534	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT25534-030118	FRONT RANGE	Approved - Ready to go		X	X		X	X			X	Elevated Totals on MEK	\$704.00	\$196.00
35	HT3122	SOIL 90/10 DEBRIS	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT3122-030118	FRONT RANGE	Approved - Ready to go offsite		X	X		X	X			X	Elevated Totals on MEK	\$704.00	\$196.00
36	HT3702	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT3702-020518	FRONT RANGE	Approved - Ready to go offsite		X	X	X	X	X		X	X	1,1-Dichloroethene, Benzene, Carbon tetrachloride, Vinyl Chloride	\$704.00	\$196.00
37	HT2621-4	CARCASSE S	PHASE 1-2B-3	ROLL-OFF BIN			FRONT RANGE	Approved - Ready to go offsite											\$704.00	\$196.00
1	CHRT27116	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT27116-020518	Stay on site	Approved		X	X	X	X	X		X	X	Chromium	\$0.00	\$0.00
2	CHRT26540	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26540-030118	Stay on site	Approved		X	X		X	X			X		\$0.00	\$0.00
3	CHRT26766	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26766-030118	Stay on site	Approved		X	X		X	X			X		\$0.00	\$0.00
4	HT2586	SOIL 90/10 DEBRIS	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT2586-030118	Stay on site	Approved		X	X		X	X			X		\$0.00	\$0.00
5	HT3703	SOIL 90/10 DEBRIS	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT3703-030118	Stay on site	Approved		X	X		X	X			X	MEK totals 34	\$0.00	\$0.00
6	HT3837	SOIL 90/10 DEBRIS	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-HT3837-030118	Stay on site	Approved		X	X		X	X			X		\$0.00	\$0.00
7	RFR279944	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279944-020818	Stay on site	Approved		X	X	X	X	X	X	X	X		\$0.00	\$0.00
8	RFR280574	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-RFR280574-030118	Stay on site	Approved		X	X		X	X			X		\$0.00	\$0.00
9	PT3129	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT3129-030118	Stay on site	Approved		X	X		X	X			X	Chromium (110:100)	\$0.00	\$0.00
10	PT3017-2	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-PT3017-030118	Stay on site	Approved		X	X		X	X		X	X	Chromium (160:100)	\$0.00	\$0.00
11	CHRT26004	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-CHRT26004-030118	Stay on site	Approved		X	X		X	X			X	Vinyl Chloride (5.6:4) Grouped with RFR274961 TCLP test	\$0.00	\$0.00
12	DRT4613	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-DRT4613-030118	Stay on site	Approved		X	X		X	X			X	Vinyl Chloride (5.5:4) Grouped with RFR274961 TCLP test	\$0.00	\$0.00
13	RFR279945	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279945-020818	Stay on site	Approved		X	X		X	X	X	X	X		\$0.00	\$0.00

\$33,300.00

14	RFR279962	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-279962-020818	Stay on site	Approved		X	X			X	X	X	X	\$0.00	\$0.00																				
15	CHRT9943	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-9943-021318	Stay on site	Approved		X	X	X	X	X	X	X	X	Vinyl Chloride	\$0.00	\$0.00																			
16	RFR274934	SOIL	PHASE 2B	ROLL-OFF BIN		NLF-SS-PHASE2B-274734-020818 (?) NLF-SS-PHASE2B-RFR274934-031918	Stay on site	Approved											\$0.00	\$0.00	\$0.00																		
TOTAL COSTS FOR DISPOSAL CURRENTLY																																							\$70,355.00

1	PT5626-2	EMPTY		ROLL-OFF BIN		EMPTY		EMPTY													
1	HT2621	CARCASSE S-FULL	PHASE 1&2	ROLL-OFF BIN	1/13/2018		FRONT RANGE	OFF-SITE	19753												
2	HT2621-2	CARCASSE S-FULL	PHASE 1&2	ROLL-OFF BIN	1/25/2018		FRONT RANGE	OFF-SITE	19756												
3	HT2621-3	CARCASSE S	PHASE 2B	ROLL-OFF BIN	2/8/2018		FRONT RANGE	OFF-SITE	19759												
4	PT5626	CARCASSE S-FULL	PHASE 1&2	ROLL-OFF BIN	1/30/2018		FRONT RANGE	OFF-SITE	19758												
5	PT3017	CARCASSE S	PHASE 1 & 2	ROLL-OFF BIN	1/13/2018		FRONT RANGE	OFF-SITE	19752												
6	RT4543	CARCASSE S-FULL	PHASE 1	ROLL-OFF BIN	1/25/2018		FRONT RANGE	OFF-SITE	19757												
7	PT3017	CARCASSE S-FULL	PHASE 1&2	ROLL-OFF BIN	1/13/2018		DEER TRAIL	OFF-SITE	19752												

- Ready to be taken off site
- Pending sample analysis
- Ready to go backfill into pits
- Already transported offsite previously